

**ABSTRACT**

The present invention provides a fibronectin type III (Fn3) molecule, wherein the Fn3 contains a stabilizing mutation. The present invention also  
5 provides Fn3 polypeptide monobodies, nucleic acid molecules encoding monobodies, and variegated nucleic acid libraries encoding such monobodies. Also provided are methods of preparing a Fn3 polypeptide monobody, and kits to perform the methods.

US 2003/041212-071101